

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,876,606 B2  
APPLICATION NO. : 09/778421  
DATED : April 5, 2005  
INVENTOR(S) : Osamu Kajino et al.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Col. 27, lines 11-18

Claim 7 should read as follows:

7. A motor controlling device according to claim 5, wherein:  
the acceleration detector includes a digital filter for receiving the rotation speed  $N(n)$  of the motor and outputting an average rotation speed  $N'(n)$ , and  
the differential calculator calculates the acceleration  $A(i)$  using the average rotation speed  $N'(n)$  instead of the rotation speed  $N(n)$ .

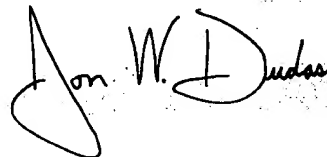
Col. 27, lines 19-21

Claim 8 should read as follows:

8. A motor controlling device according to claim 12, wherein the digital filter calculates the average rotation speed  $N'(n)$  by expression (3):  
$$N'(n) = (N(n) + (m-1) \cdot N'(n-1)) / m \dots \dots \text{expression (3)}$$
  
where  $m$  is a positive integer.

Signed and Sealed this

Third Day of July, 2007



JON W. DUDAS  
*Director of the United States Patent and Trademark Office*